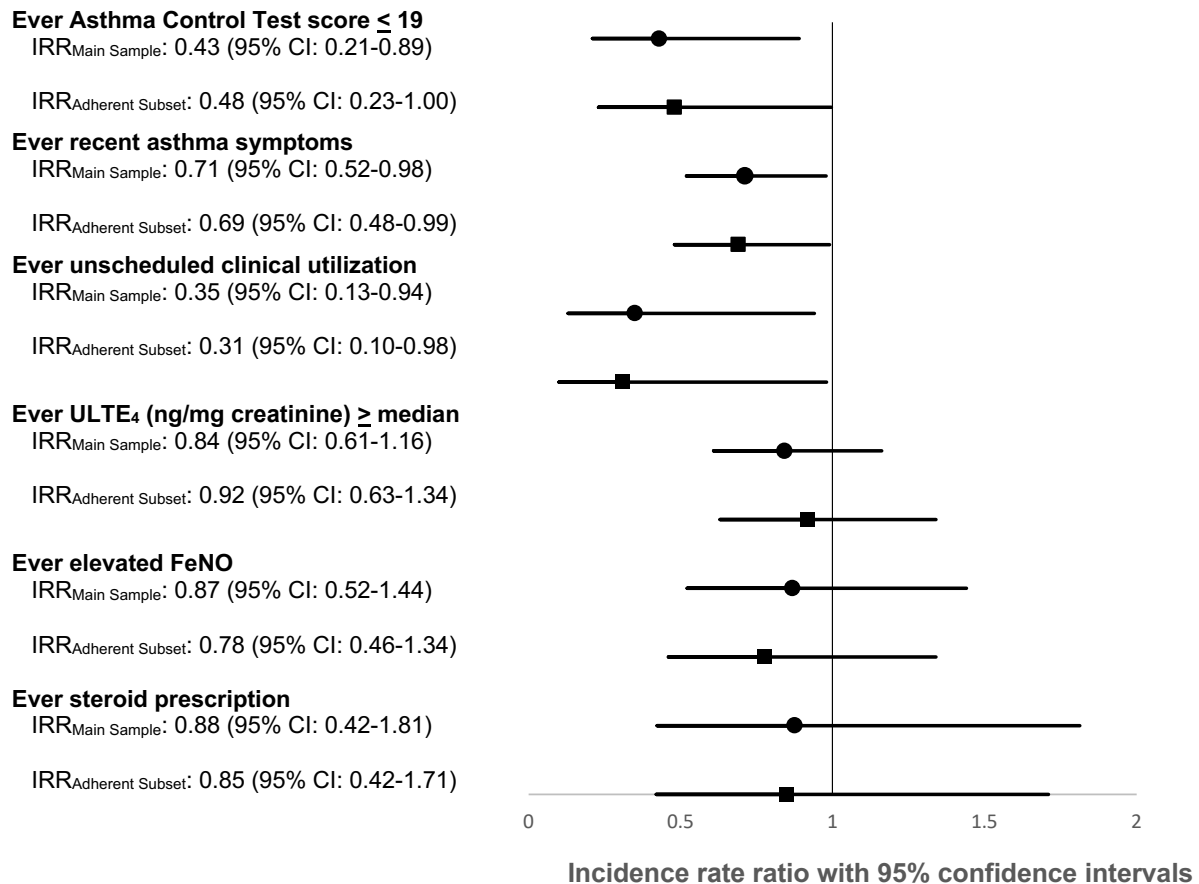


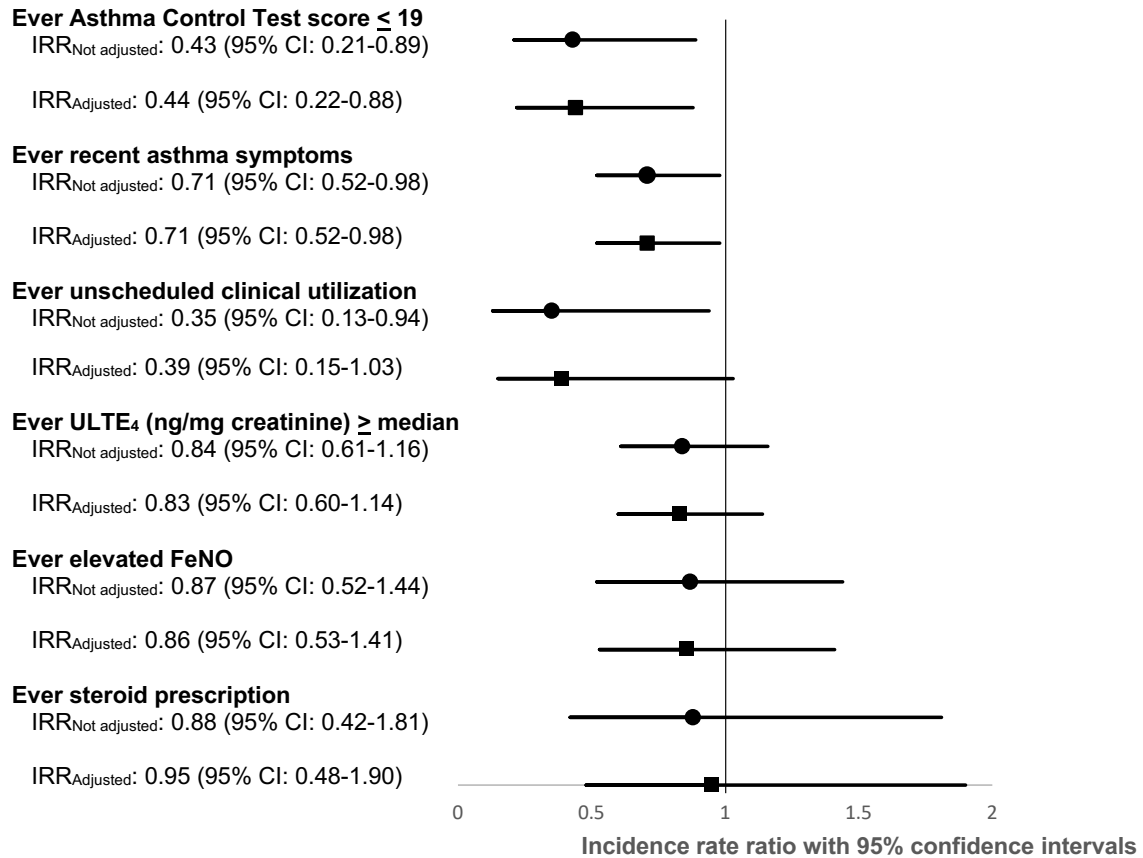
## Effect of HEPA air cleaners on participant suboptimal asthma control over the follow up year among all participants and among adherent subgroup



Supplemental Figure 1: Intervention effect on ever having a suboptimal outcome during follow up based on asthma clinical measures of morbidity and biomarkers of inflammation estimated using Poisson regression models among all participants and among adherent subgroup.

Notes: IRR<sub>Main Sample</sub>: Model adjusted for age, sex, season, controller medication use, and baseline outcome value among main HAPI Study sample; IRR<sub>Adherent Subset</sub>: Model adjusted for age, sex, season, controller medication use, and baseline outcome value among HAPI Study participants excluding 7 nonadherent intervention participants.

# **Effect of HEPA air cleaners on participant suboptimal asthma control over the follow up year among all participants with and without adjustment for Weatherization Program participation**



Supplemental Figure 2: Intervention effect on ever having a suboptimal outcome during follow up based on asthma clinical measures of morbidity and biomarkers of inflammation estimated using Poisson regression models among all participants with and without adjustment for Weatherization Program.

Notes: IRR<sub>Not adjusted</sub>: Model adjusted for age, sex, season at baseline, controller medication use, and baseline outcome value, but not adjusted for Weatherization Program participation; IRR<sub>Adjusted</sub>: Model adjusted for age, sex, season at baseline, baseline outcome value, and additionally adjusted for Weatherization Program participation.